| Ind | ex o | f Cla | ims |  |
|-----|------|-------|-----|--|
|     |      |       |     |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/683,665              | ASTON ET AL.                            |
| Examiner                | Art Unit                                |

| / | Rejected | - | _ | (Through numeral)<br>Cancelled |
|---|----------|---|---|--------------------------------|
| = | Allowed  | - | ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| ı | Interference |  |

Tongoc Tran

| A | Appeal   |
|---|----------|
| 0 | Objected |

2134

|          |                                  |          |              |  |  |             | J  |                                     |   | L        |
|----------|----------------------------------|----------|--------------|--|--|-------------|--|-------------------------------------|---|----------|
| Cla      |                                  |          |              |  | Date   |             |  |                                     |   |          |
|          |                                  | -        |              | Г  |  |             | <u> </u>   | _                                   | _   | _        |
| _        | Original                         | 12/10/07 |              |  |  |             |  |                                     |   |          |
| Final    | g                                | 10       |              |  |  |             | 1  |                                     |   |          |
| ഥ        | Ö                                | 12/      |              |  |  | ļ           |  |                                     |   |          |
|          |                                  |          |              | L  |  |             |  | <u>_</u>                            |   | _        |
|          | 1_                               | 1        |              |  |  |             |  | L                                   | _   |          |
|          | 2                                | 7 7      |              |  |  |             | <u>.</u>   | _                                   | L   |          |
|          | 3                                | 7        |              |  |  |             |  | Γ                                   |   |          |
|          | 4                                | 1        |              |  |  |             |  |                                     |   |          |
|          | 5                                | 1        |              |  |  |             |  |                                     |   |          |
|          | 1<br>2<br>3<br>4<br>5            | 7        |              |  |  |             |  |                                     |   |          |
|          | 7_                               |          |              |  |  |             |  |                                     | _   |          |
|          | 8                                | 1        |              |  |  |             | _  |                                     |   |          |
|          | 8                                | 1        |              |  | _  |             | -  |                                     |   |          |
|          | 10                               | 1        | _            | $\vdash$   | <del>                                     </del> | _           |  |                                     | -   |          |
| $\vdash$ | 11                               | <u> </u> | -            | ┝  | -  |             | -  | -                                   | $\vdash$  | -        |
| $\vdash$ | 12                               | <u> </u> | <del>-</del> | -  | $\vdash$   |             | $\vdash$   | -                                   | -   | -        |
| $\vdash$ | 13                               | -        |              | $\vdash$   | $\vdash$   |             |  | $\vdash$                            |   |          |
| <u> </u> | 14                               | -        |              | $\vdash$   | $\vdash$   | <u> </u>    |  |                                     | -   |          |
| <u> </u> | 14                               | μ-       | -            | <u> </u>   |  | <u> </u>    | $\vdash$   | $\vdash$                            |   |          |
| <u> </u> | 12<br>13<br>14<br>15<br>16<br>17 | Ŀ        |              |  | <del> </del>                                     |             | $\vdash$   | $\vdash$                            |   | H        |
| <u> </u> | 16                               | -        |              | <u> </u>   | <u> </u>   |             |  | -                                   | -   |          |
|          | 17                               | -        | _            | _  | <u> </u>   |             |  |                                     | <u> </u>  |          |
|          | 18                               | <u> </u> |              | _  | <u> </u>   |             | <u> </u>   |                                     |   |          |
|          | 19                               | •        |              |  | <u> </u>   | L           | <u></u>  |                                     | _   |          |
|          | 19<br>20<br>21                   | <u> </u> |              | L  | Ĺ  | L           |  |                                     | _   |          |
|          | 21                               | -        |              |  | L  |             |  |                                     |   |          |
|          | 22                               |          | _            |  |  |             |  |                                     |   |          |
|          | 22<br>23                         | -        |              |  |  |             |  |                                     |   |          |
|          | 24                               | •        |              |  |  |             |  |                                     |   |          |
|          | 24<br>25                         | -        |              |  |  |             |  |                                     |   |          |
|          | 26                               | -        |              |  |  |             |  |                                     |   |          |
|          | 27<br>28                         | -        |              |  |  |             |  |                                     |   |          |
|          | 28                               | -        |              |  |  |             |  |                                     |   |          |
|          | 29                               | -        |              | -  |  |             |  |                                     |   |          |
|          | 30                               | V        |              |  |  |             |  |                                     | $\vdash$  |          |
| $\vdash$ | 30<br>31                         | 7        |              |  | $\vdash$   |             | <del>                                     </del> |                                     | -   | _        |
|          | 32                               | V        |              | -  | -  |             |  |                                     | $\vdash$  | _        |
|          | 33                               | Ì        |              |  | <del> </del>                                     |             |  | $\vdash$                            | $\vdash$  | -        |
|          | 34                               | V        |              |  | <del>                                     </del> |             |  | $\vdash$                            | <del>                                     </del>  |          |
|          | 35                               | 1        |              | $\vdash$   |  | <del></del> | $\vdash$   |                                     |   | $\vdash$ |
| $\vdash$ | 36                               | 1        | -            | $\vdash$   | $\vdash$   | $\vdash$    | -  |                                     |   | -        |
| $\vdash$ | 36<br>37                         | V V      | -            | $\vdash$   | $\vdash$   | $\vdash$    | -  | -                                   | -   | -        |
| <u> </u> | 20                               |          |              |  | $\vdash$   | $\vdash$    | -  | $\vdash$                            |   |          |
| <u> </u> | 38                               | 7        | <u> </u>     | $\vdash$   | <del>  </del>                                    | $\vdash$    |  | -                                   | -   |          |
| <u> </u> | 39                               | \ \      | _            | $\vdash$   | <b> -</b> -                                      | -           | $\vdash$   | $\vdash$                            | -   | -        |
| <u> </u> | 40                               | H        | _            | $\vdash$   | <u> </u>   | -           | <del> </del>                                     |                                     | -   | -        |
| <u> </u> | 41                               | $\vdash$ | _            | <u> </u>   | -  | <u> </u>    | <del> </del>                                     | <u> </u>                            | <u> </u>  | -        |
|          | 42                               | <b> </b> | <u> </u>     | <del>                                     </del> | -  | $\vdash$    | <u> </u>   | <u> </u>                            | $\vdash$  |          |
| -        | 43                               |          | _            | _  | _  | _           | <u> </u>   | <u> </u>                            | _   | _        |
|          | 44                               |          |              | <u> </u>   | <u> </u>   |             | <u> </u>   | <u> </u>                            | <u> </u>  |          |
| <u> </u> | 45                               |          |              |  | <u> </u>   |             | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>  |          |
|          | 46                               |          |              | _  | <u> </u>   |             | _  | <u> </u>                            | $ldsymbol{ld}}}}}}$ |          |
|          | 47                               |          |              |  |  |             |  | <u> </u>                            | L   |          |
|          | 48                               | Ĺ        |              |  |  | L           | L  | L                                   | L   | L        |
|          | 49                               |          |              | Γ  |  |             |  |                                     |   |          |
|          | ΕO                               |          |              |  |  |             |  |                                     |   |          |

| Cla         | aim  | _            |              |  | ᆜ  | Date         | 9        |              |               |          |
|-------------|--|--------------|--------------|--|--|--------------|----------|--------------|---------------|----------|
| Final       | Original                                     |              |              |  |  |              |          |              |               |          |
|             | 51   | -            | _            |  | _  |              |          | _            | -             | $\vdash$ |
|             | 52   | -            |              | -  |  | $\vdash$     |          | _            | $\vdash$      | -        |
| $\vdash$    | 51<br>52<br>53                               | -            |              |  | -  | ┝╌           |          | -            | -             | $\vdash$ |
|             | 54   |              |              | -  |  | <del> </del> | -        |              | <del> -</del> | _        |
|             | 54<br>55                                     |              |              |  |  | ├            |          | _            | -             | -        |
|             | 56   | $\vdash$     |              | _  | -  | ├            | _        | -            | -             | _        |
| _           | 57   | -            | <del> </del> | <u> </u>   | _  | <u> </u>     |          |              | <del> </del>  | -        |
|             | 57   | _            | <u> </u>     |  |  |              | $\vdash$ |              | -             | _        |
|             | 58   | <u> </u>     | _            | -  |  | <u> </u>     |          | _            |               | -        |
|             | 59   |              | <u> </u>     | <u> </u>   | ļ  | <u>-</u>     | -        |              |               |          |
|             | 60   | _            | _            |  |  | <u> </u>     |          |              | <u> </u>      | -        |
|             | 61   | <u> </u>     | _            |  | <u> </u>   | <u> </u>     |          | _            | _             | _        |
|             | 62<br>63                                     |              |              | _  |  | L            |          | ļ            |               | _        |
|             | 63   |              | <u> </u>     | <u> </u>   | L.   | <u> </u>     | _        |              |               | ļ        |
|             | 64   |              |              |  |  |              | _        |              | _             |          |
|             | 64<br>65<br>66                               | <u> </u>     |              |  |  |              |          |              | _             | _        |
|             | 66   |              |              | _  | <u> </u>   |              |          |              |               | _        |
|             | 67   |              |              |  |  |              |          |              |               |          |
|             | 68<br>69                                     |              | _            |  |  |              |          |              |               |          |
|             | 69   |              |              |  |  |              |          | <u> </u>     |               | L.       |
|             | 70   |              |              |  |  |              |          |              |               |          |
|             | 71   |              |              |  |  |              | Г        |              |               |          |
|             | 72   |              |              |  |  |              |          |              |               |          |
|             | 73   |              |              |  |  |              |          |              |               |          |
|             | 74   |              |              |  |  |              |          |              |               |          |
|             | 75   |              |              |  |  |              |          |              |               |          |
|             | 76   |              |              |  |  |              |          |              |               |          |
|             | 77   |              |              |  |  |              |          |              |               |          |
|             | 70<br>71<br>72<br>73<br>74<br>75<br>76<br>77 |              |              |  |  |              |          |              | 1             | <u> </u> |
|             | 79   |              |              |  |  |              |          |              |               |          |
|             | 80   |              |              |  |  |              |          |              |               |          |
|             | 81   | _            |              |  |  |              |          |              |               | <u> </u> |
| -           | 82   | _            |              |  |  |              |          |              |               |          |
|             | 82<br>83                                     | _            |              | _  |  |              |          |              |               |          |
|             | 84   | -            |              |  |  |              |          |              |               | <u> </u> |
|             | 85   |              | -            |  | _  |              |          | _            | $\vdash$      | _        |
|             | 86   | <u> </u>     |              |  |  |              | -        |              | _             | -        |
| <b></b>     | 87   |              | <u> </u>     | _  |  | T-           |          | <b>-</b>     | <u> </u>      | _        |
| $\vdash$    | 87<br>88                                     |              | -            | _  | $\vdash$   | _            |          |              |               |          |
|             | 89   |              | -            |  | _  | -            | _        |              | -             | _        |
| <b> </b> -  | 90   | $\vdash$     |              |  |  | $\vdash$     |          | -            | $\vdash$      | _        |
|             | 91   | $\vdash$     |              |  | -  | $\vdash$     | _        | $\vdash$     | -             | -        |
|             | 92   | -            | -            | -  | <del> </del>                                     |              | $\vdash$ | -            |               |          |
|             | 93   |              | $\vdash$     | <del>                                     </del> | $\vdash$   | <u> </u>     | -        | <del> </del> | $\vdash$      | -        |
| <b>-</b>    | 94   | ├            | -            | -  | <del>                                     </del> |              |          |              | -             | $\vdash$ |
| $\vdash$    | 95   | ├─           | <u> </u>     |  | $\vdash$   | $\vdash$     |          | $\vdash$     | -             | $\vdash$ |
| <u> </u>    | 96   | $\vdash$     |              |  | $\vdash$   | -            |          |              |               | -        |
| <del></del> | 97   | <del> </del> | -            | -  | $\vdash$   | $\vdash$     |          | -            | -             | -        |
| <b></b>     |  | <del> </del> | -            |  | $\vdash$   | $\vdash$     |          | <u> </u>     |               | -        |
| <b>├</b> ── | 98   | -            | $\vdash$     | <del> </del>                                     | $\vdash$   | -            |          | -            | -             | -        |
| <u> </u>    | 99   | <del> </del> |              | -  | <del> </del>                                     | -            | _        | -            | ├             | $\vdash$ |
|             | 100  | L            | L            |  |  |              | <u> </u> |              | L             | Щ.       |

| Cli  | aim                             |              |  |              | - [          | Date   |          | _  |  |                      |
|--|---------------------------------|--------------|--|--------------|--------------|--|----------|--|--|----------------------|
|  |                                 |              |  | Γ            |              |  |          |  |  |                      |
| Final  | Original                        |              |  |              |              |  |          |  |  |                      |
|  | 101<br>102<br>103               | -            |  |              |              |  |          |  |  |                      |
|  | 102                             |              |  |              |              |  |          |  |  |                      |
|  | 103                             |              |  |              |              |  |          |  |  |                      |
|  | 104                             |              |  |              |              | $\vdash$   |          |  |  |                      |
|  | 104<br>105                      |              |  |              |              |  |          |  |  |                      |
| 1  | l 106 i                         |              |  |              |              |  |          |  |  |                      |
|  | 107                             |              |  |              |              |  |          |  |  |                      |
|  | 108                             |              |  |              |              |  |          |  |  |                      |
|  | 109                             |              |  |              |              |  |          |  |  |                      |
|  | 110                             |              |  |              |              |  |          |  |  |                      |
|  | 111                             |              |  |              |              |  |          |  |  |                      |
|  | 112                             |              |  |              |              |  |          |  |  |                      |
|  | 113                             |              |  |              |              |  |          |  |  |                      |
|  | 113<br>114<br>115               |              |  | 匚            |              |  |          | $oxed{oxed}$                                     | L  | Ш                    |
|  | 115                             | <u> </u>     |  | L            | <u> </u>     |  |          |  |  |                      |
|  | 116                             |              |  | $oxed{\Box}$ | <u> </u>     |  |          |  |  | Ш                    |
|  | 117                             |              |  | <u> </u>     |              |  |          |  |  | Щ                    |
|  | 118                             |              |  |              |              |  |          |  |  | Ш                    |
|  | 119                             |              |  | <u> </u>     | <u> </u>     |  |          |  |  | Ш                    |
|  | 120                             |              |  | ļ            | _            |  |          |  |  | Ш                    |
| <u> </u>   | 121                             |              |  | L            | L            |  |          |  | _  | Ш                    |
| <u> </u>   | 122                             |              |  | _            |              |  |          |  |  | Щ                    |
|  | 121<br>122<br>123               | <u> </u>     |  | <u> </u>     | _            |  |          | _  |  | $\sqcup$             |
| <u> </u>   | 124<br>125<br>126               | <u> </u>     |  | <u> </u>     |              |  |          | _  |  | $\vdash$             |
| <u> </u>   | 125                             | _            | <u> </u>   | <u> </u>     | _            |  |          | <u> </u>   |  | Н                    |
| -  | 126                             | <u> </u>     | <u> </u>   | <u> </u>     | ├—           |  | -        | <u> </u>   |  |                      |
|  | 127                             | <u> </u>     |  | -            | -            |  | H        | <u> </u>   | -  | Н                    |
| -  | 120                             | -            |  |              | -            | -  | -        | ┝  | ⊢  | $\vdash$             |
| -  | 127<br>128<br>129<br>130<br>131 | ├-           | -  |              | -            | -  | -        | $\vdash$   | $\vdash$   | $\vdash$             |
| -  | 130                             |              | -  |              | -            | -  | -        | ⊢  | ┝  | $\vdash$             |
|  | 132                             | <del> </del> | -  | -            |              |  | ┝        | -  | $\vdash$   | Н                    |
|  | 132<br>133                      | ┢            |  | -            |              | -  |          | -  | ⊢  | $\vdash$             |
|  | 134                             | -            | -  | $\vdash$     | ├            | -  |          | $\vdash$   | $\vdash$   | $\vdash\vdash\vdash$ |
|  | 135                             | $\vdash$     | $\vdash$   | -            | -            | H  |          | -  | <del> </del>                                     | Н                    |
| $\vdash$   | 136                             | $\vdash$     |  | $\vdash$     | <del> </del> | <u> </u>   |          | $\vdash$   | -  | $\vdash$             |
| <del>                                     </del> | 137                             |              | <u> </u>   |              | -            | H  | $\vdash$ | -  |  | Н                    |
| 1  | 138                             |              | $\vdash$   | $\vdash$     | <del> </del> |  |          | $\vdash$   | <del>                                     </del> | $\vdash$             |
|  | 139                             |              | $\vdash$   |              | <u> </u>     |  |          | <del>                                     </del> | <del>                                     </del> | $\vdash \vdash$      |
|  | 140                             | <u> </u>     | <del>                                     </del> |              | T            | <del>                                     </del> |          |  | T  | М                    |
|  | 141                             |              | Ι-   |              |              | <del>                                     </del> |          | _  |  | М                    |
| -  | 142                             | Г            | <b> </b>   |              | Ī            |  | Ι        | i  |  | П                    |
|  | 143                             |              |  |              | Γ            | Ι  |          |  |  | П                    |
|  | 144                             |              | Ī  |              | Γ            |  |          |  |  |                      |
|  | 145                             |              |  |              |              |  |          | L  |  |                      |
|  | 146                             |              |  |              |              |  |          |  |  |                      |
|  | 147                             |              |  |              |              |  |          | L  |  |                      |
|  | 148                             |              |  |              |              |  |          |  |  |                      |
|  | 149                             |              |  |              |              |  |          |  |  |                      |
|  | 150                             |              |  | L            |              |  |          |  |  |                      |
|  |                                 |              |  |              |              |  |          |  |  |                      |